

THIS IS AN ABSTRACT FOR "JP45-36500"

**This corresponds to Japanese granted patent # JP70/036500 (Imperial Yr.);
there is no US or other foreign equivalent.**

L1 ANSWER 1 OF 1 WPIDS COPYRIGHT 2004 THE THOMSON CORP on STN
AN 1970-85621R [46] WPIDS <<LOGINID::20040928>>

TI Optically active phenanthrene cpds prepn.

PA (SHIO) SHIONOGI & CO LTD

CYC 1

PI JP----70036500 B (197046)*

PRAI 1967JP-0025523 19670421

AB JP 70036500 B UPAB: 19930831

Optically active phenanthrene cpds. are prepd. by reacting
racemic-phenanthrene cpds. (I) or their d-and l-mixture with diastase to
separate the l-form phenanthrene cpd. (II) and oxidising the d-form
phenanthrene cpd. (III) obtained from the mother liquor to give the d-form
phenanthrene cpd. (IV). In above formula for cpd. (I), A is R¹; B is OH;
ring X has 3 double bonds. Cpd. (II) : A is -R¹; B is =O; ring X has 3
double bonds.

Cpd. (III) : A is ---R¹; B is OH; ring X has 3 double bonds. cpd.
(IV) : A is R¹; B is =O; ring X has one double bond; R¹ and R² are
hydrocarbon gps. Cpds. have useful biological activity.

Abstract for JP Application 45-36500

L2 ANSWER 1 OF 1 CA COPYRIGHT 2004 ACS on STN
AN 74:64120 CA
TI Optically active phenanthrene derivatives
IN Nagata, Wataru; Aoki, Tsutomu; Terasawa, Tadao
PA shion
SO Jpn. Tokkyo Koho, 4 pp.
CODEN: JAXXAD
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI JP--45036500	B4	<u>19701120</u>	JP	19670421

AB 4a-Ethyl-7-methoxy-2,3,4,4a,9,10-hexahydro-phenanthren-2-one
(I), useful
as an antiandrogenic, etc., is manufd. Thus 100 mg dl-4a-ethyl-7-
methoxy-
2,3,4,4a,9,10-hexahydro-phenanthren-2-ol in 70 ml MeOH and 130
ml H₂O is
stirred 20-40 hr at 28.degree. with 5 g Taka-diestase, the mixt.
poured
over large vol. of H₂O, and extd. with Et₂O to give 36 mg I-I, m.
98-100.degree., and 41 mg d-4a-ethyl-7-methoxy-2,3,4,4a,9,10-
hexahydrophenanthren-2-ol (II), m. 90-1.degree.. II (780 mg) in 8
ml
pyridine is kept overnight with 800 mg CrO₃ in 8 ml pyridine to give
680
mg d-I, m. 101-2.degree..